

10—

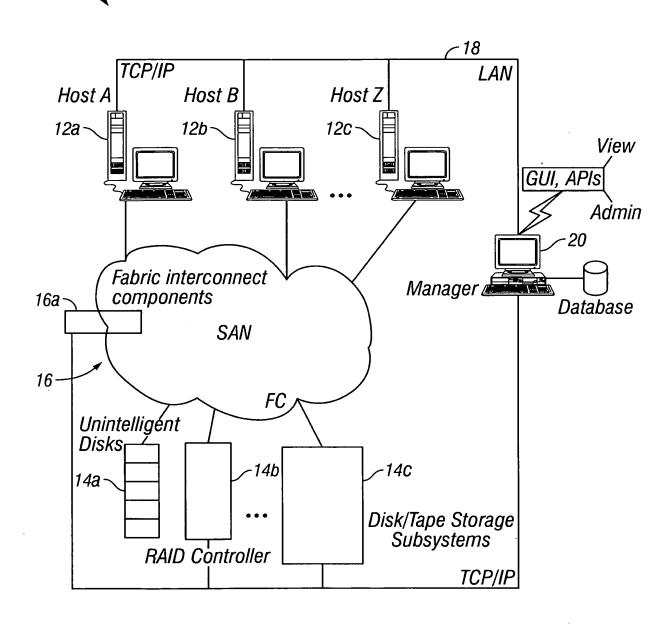


FIG. 1

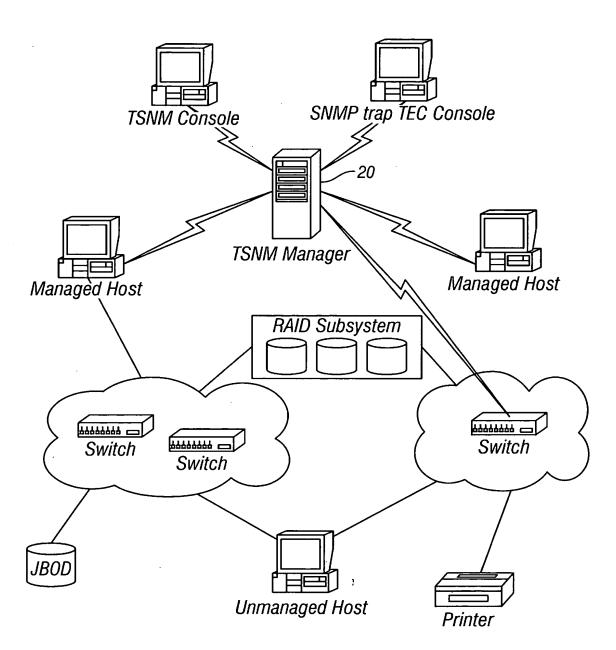
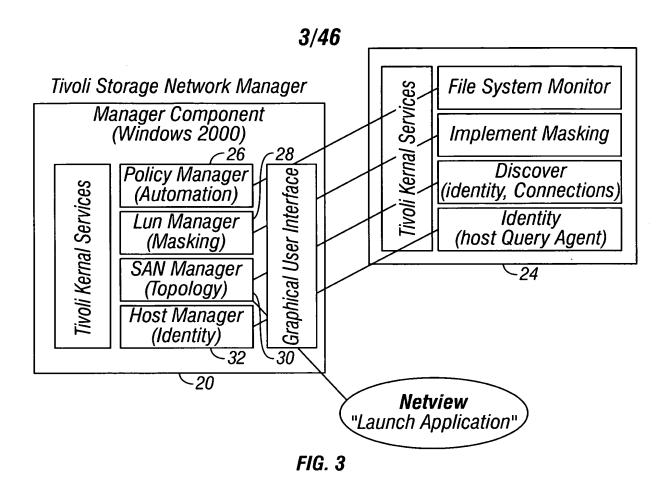


FIG. 2



Manager & Agent Communication

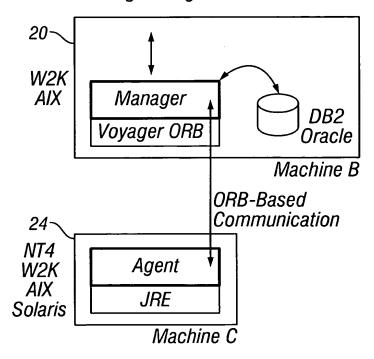
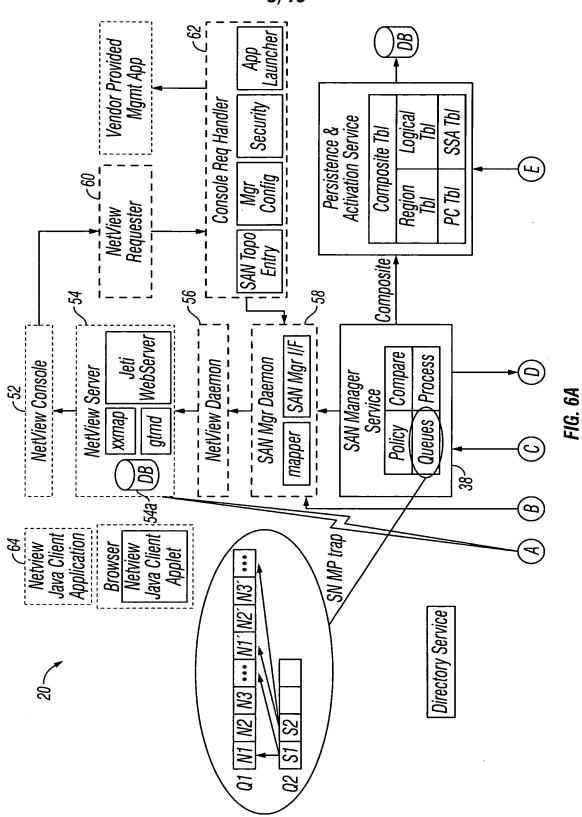


FIG. 4

	Common SANDBParms, SANEvent, SANIndex, SANLicense	
~	File System Monitoring/ Extension SANStorAuto	
MANAGER	LUN Management SANLunMgt	Framework
	Network Management SANManagerService, SANQueryEngine, SANEventCorrelatorFactory, SANHostMgr, OutbandChangeAgent	

FIG. 5



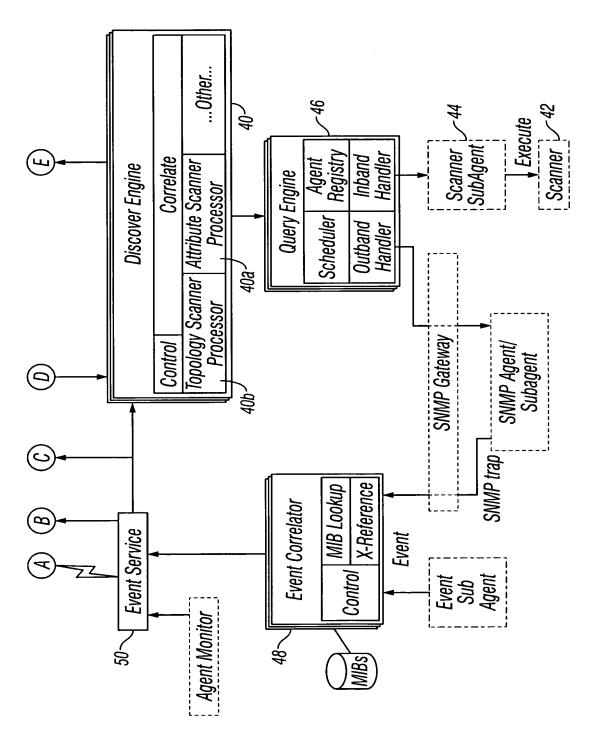


FIG. 6B

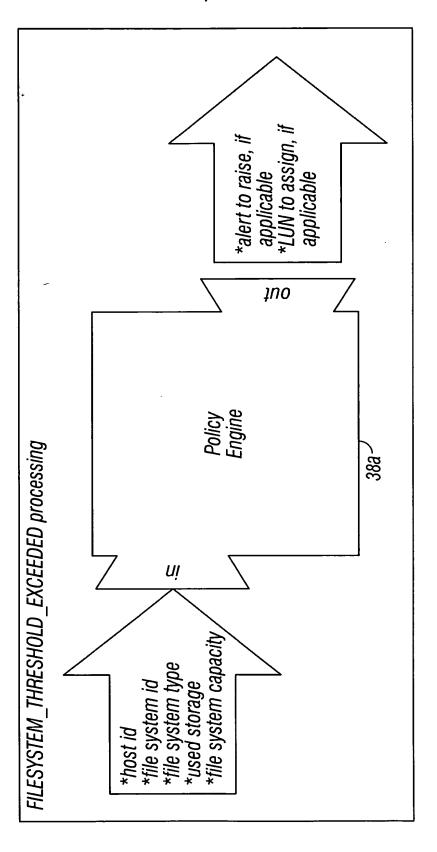


FIG. 7A

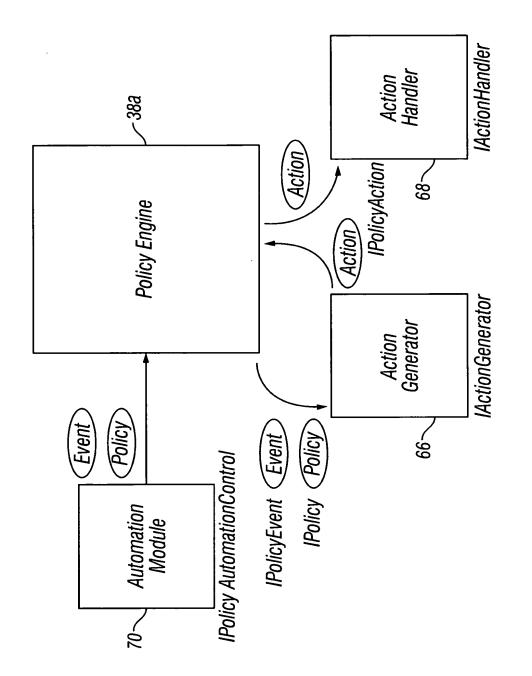


FIG. 7B

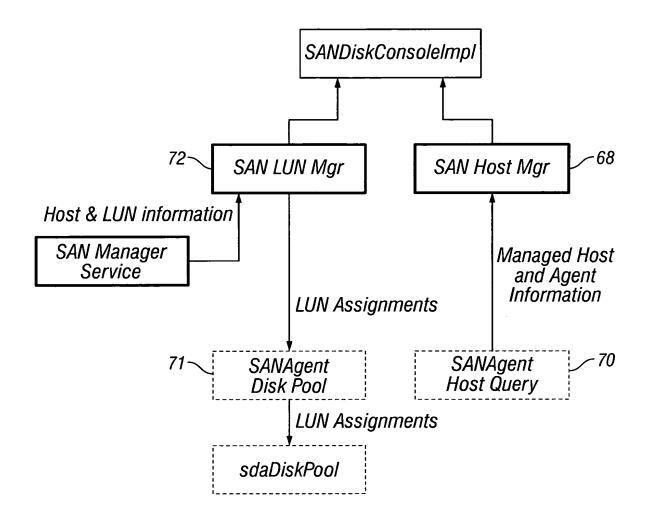


FIG. 8

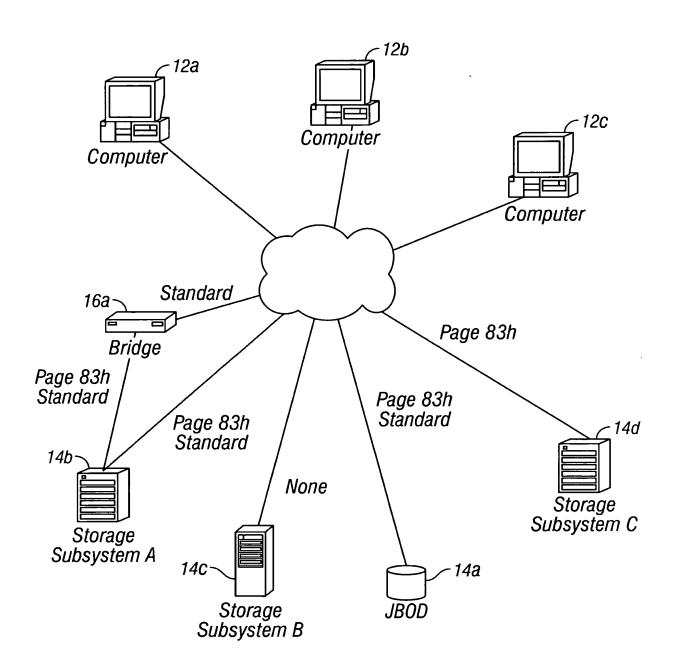
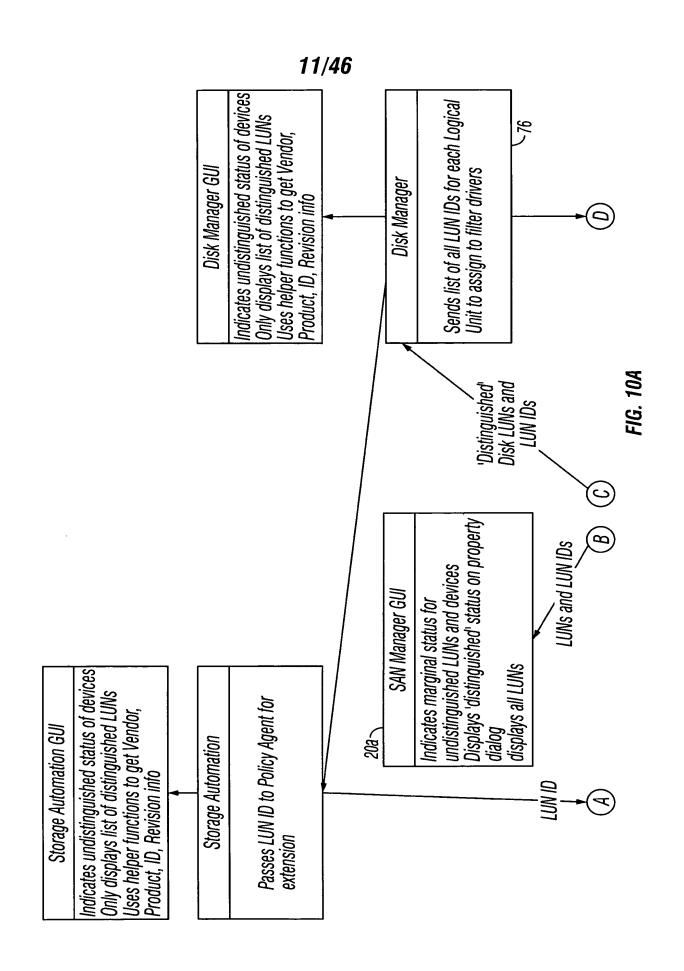


FIG. 9



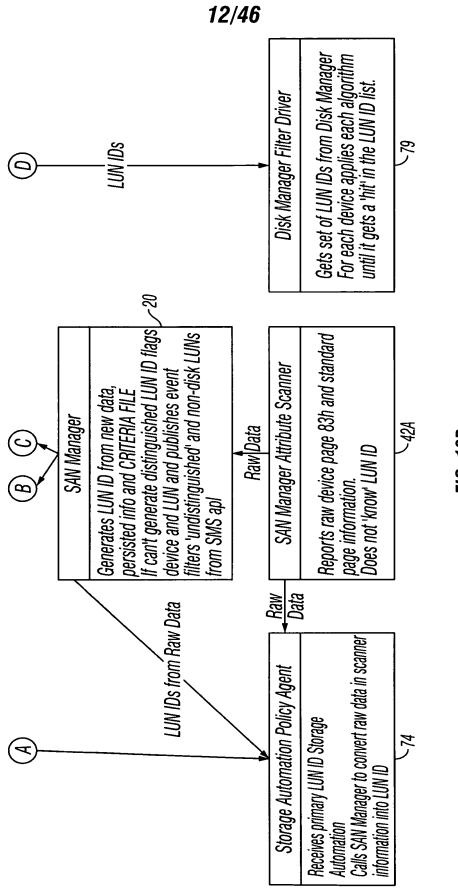
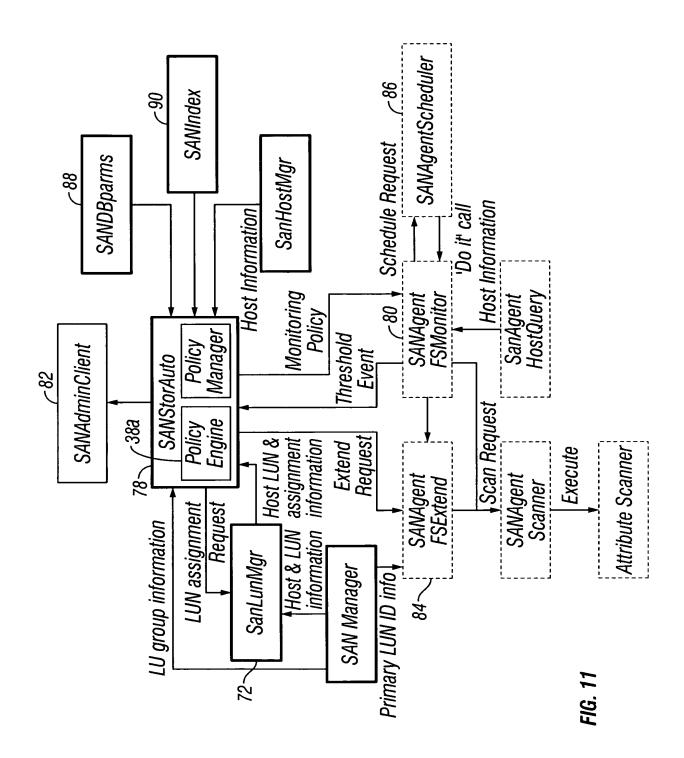


FIG. 10B



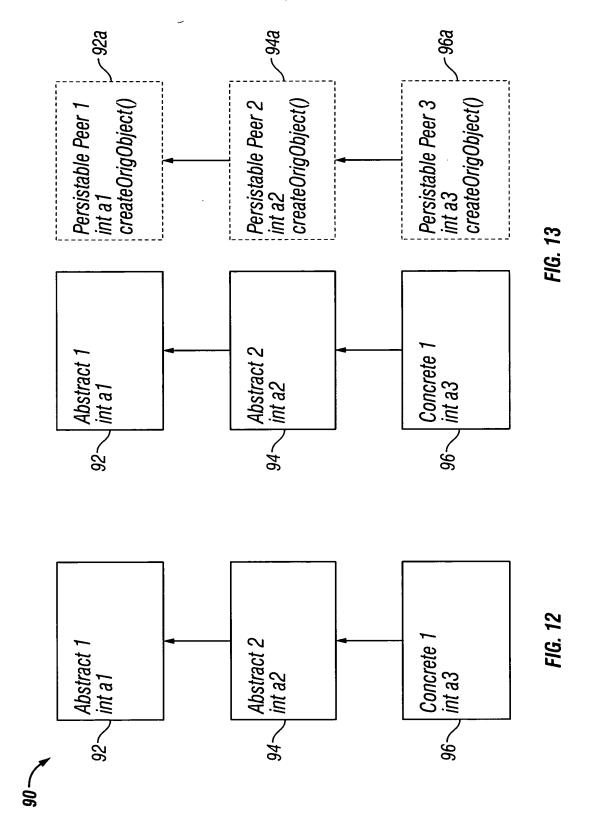
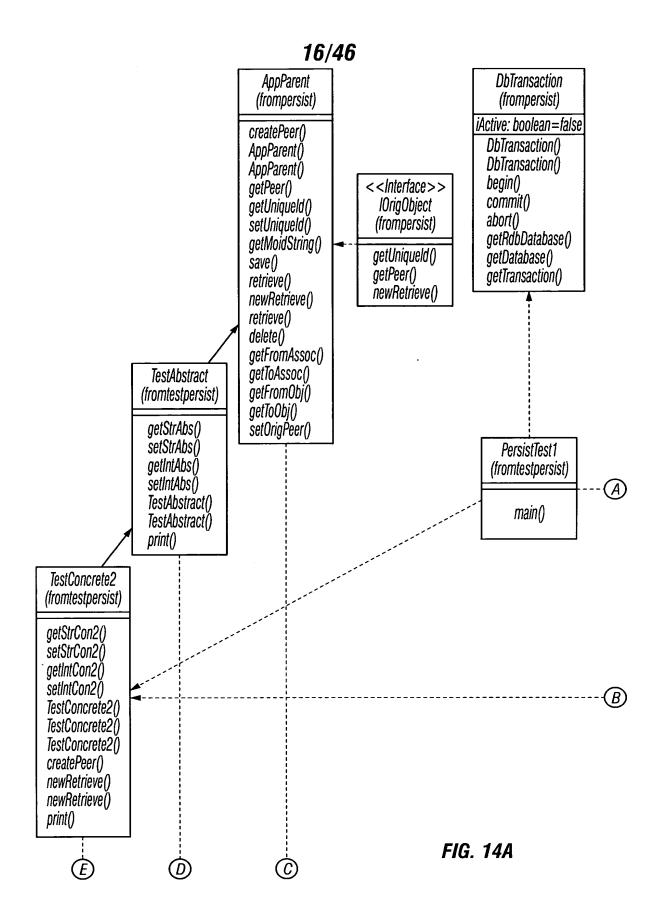
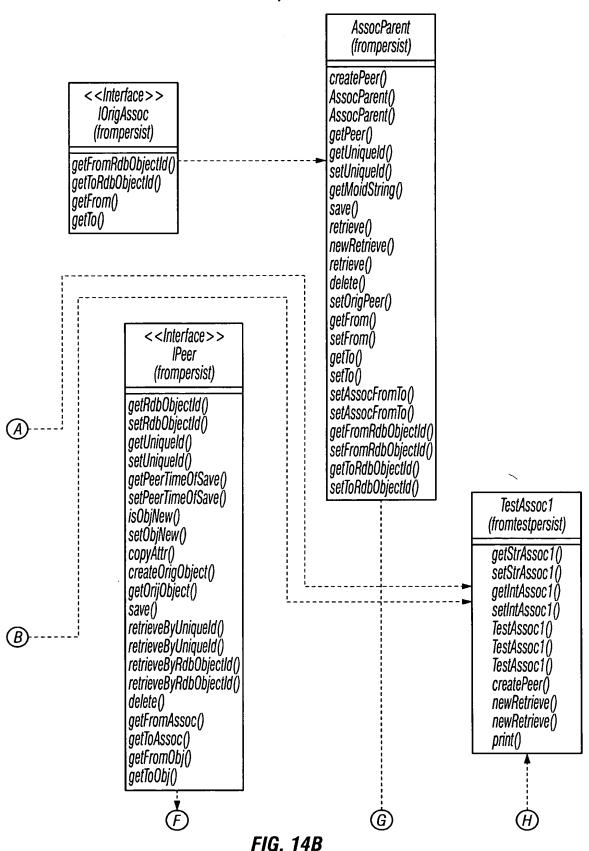
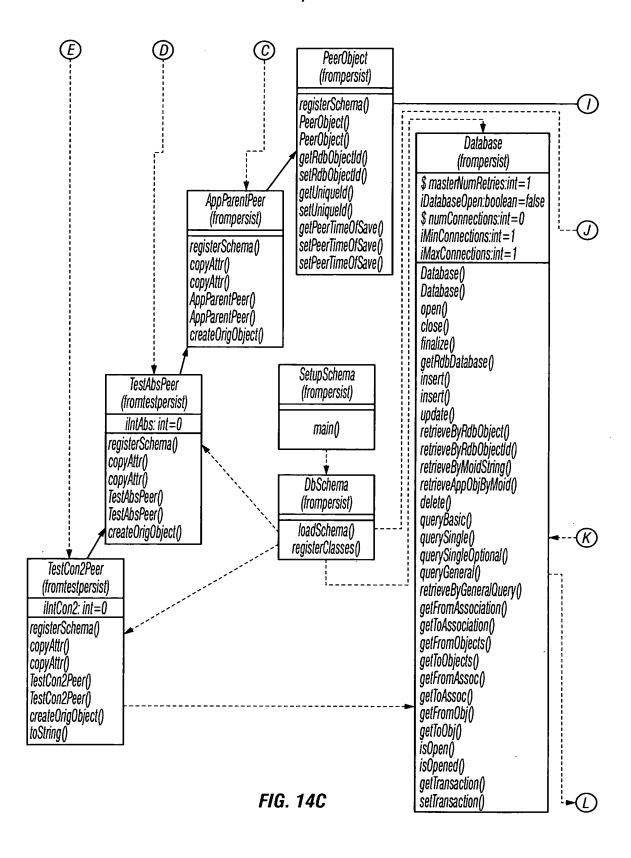
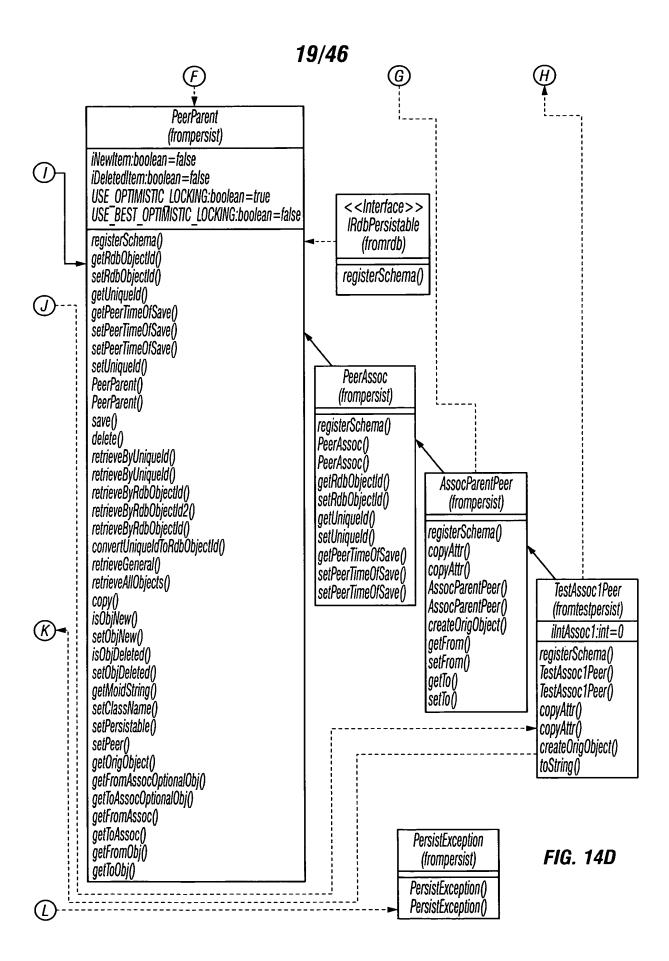


FIG. 14A	FIG. 14B
FIG. 14C	FIG. 14D













 GUI "looks up" the object by name in directory service and get the object "proxy"

Presentation

GUI server

GUI invokes object methods to obtain info or perform operation

TCP/IP - ORB

Example: Class TDMServer()
LUN[] getAccessibleLunsByHost(HostaHost)
LUN[] getAccessibleLunsByHost(java.lang.String ip)
LUN[] getAllAccessibleLuns()
LUN[] getAssignedLunsByHost(hostaHost)
LUN[] getAssignedLunsByHost(java.lang.String ip)

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//Look up the ITdm Server proxy object from the directory service ITdmServeraTdm=(ITdm Server) Namespace.lookup(

DB2 //Get a list of all LUN objects in the region.
Oracle Lun[] temp1 = aTdm.getAllAccessibleLuns();

Manager

Voyager

machine B W2K,AIX

FIG. 15

\boxtimes									 7	
			X		Type of Storage Device disk type	Product Id Product Id	Vital Product Data Vital Product Data		Unassign LUN	
			View Storage Devices	[刊] Storage Device 1 SW	Serial Number Storage Device 1 SN	External Label External Label	Vendor Vendor			
- Tivoli Console (Driver 7)	<u>M</u> anage Disks <u>Window Help</u>	•		ு. Fill Storage Device 1 Sil						e 🔷 View Storage Devices
View Storage Devices - Tivo	Console Edit View Mana	多回图 日母	My Work	D About PF D PF Samples	 ▷ Tivoli Administration ▽ Tivoli Storage Network, Ma Manage Disks 	View Storage Devices				♦ Welcome to the Tivoli Console ♦ View Storage Devices

F/G. 16

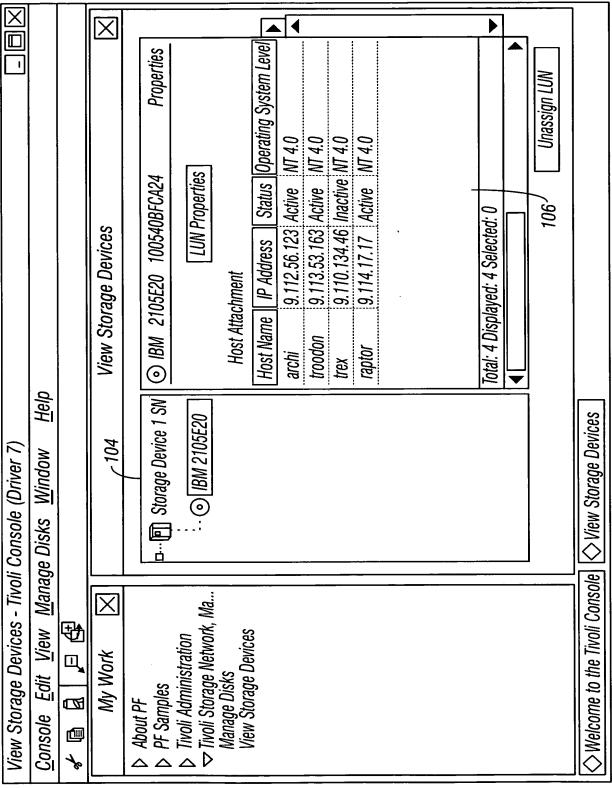
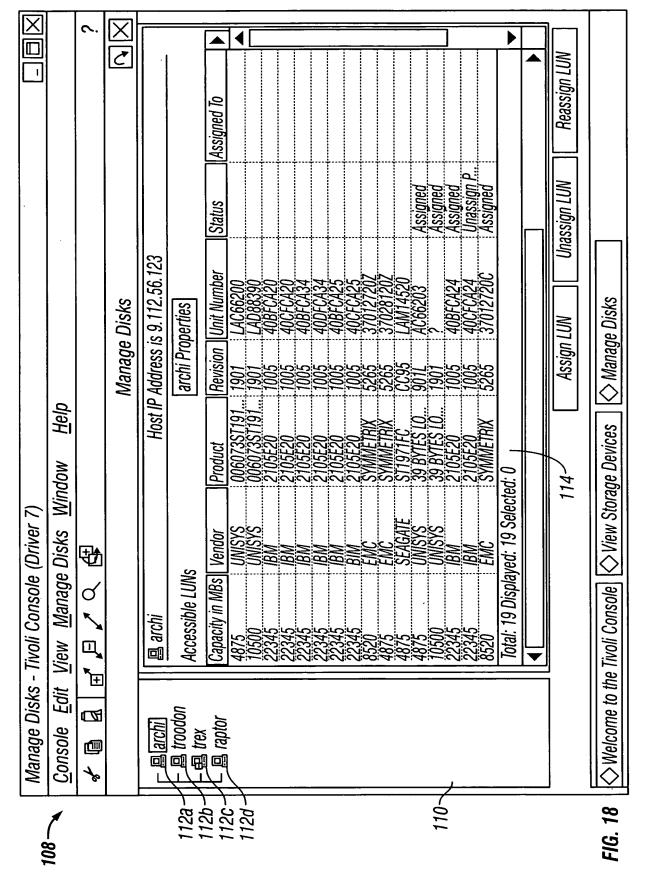


FIG. 17



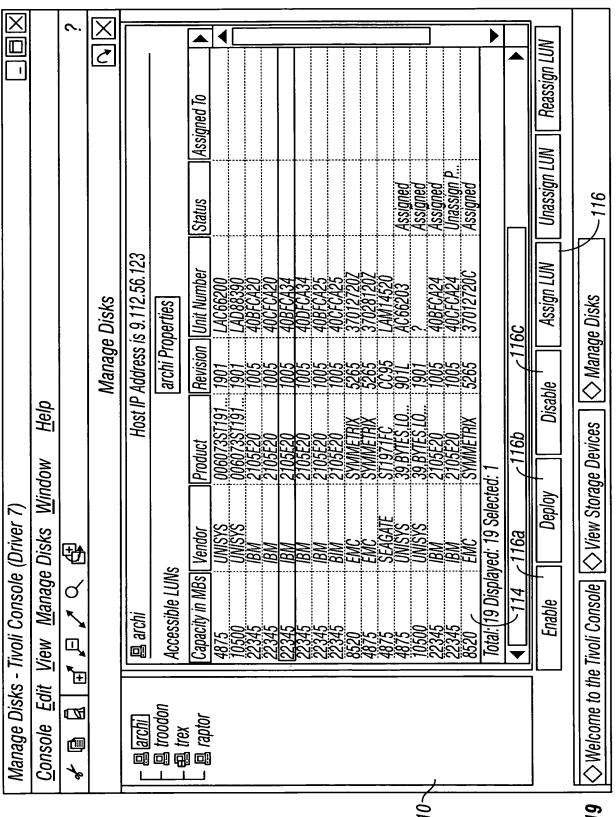
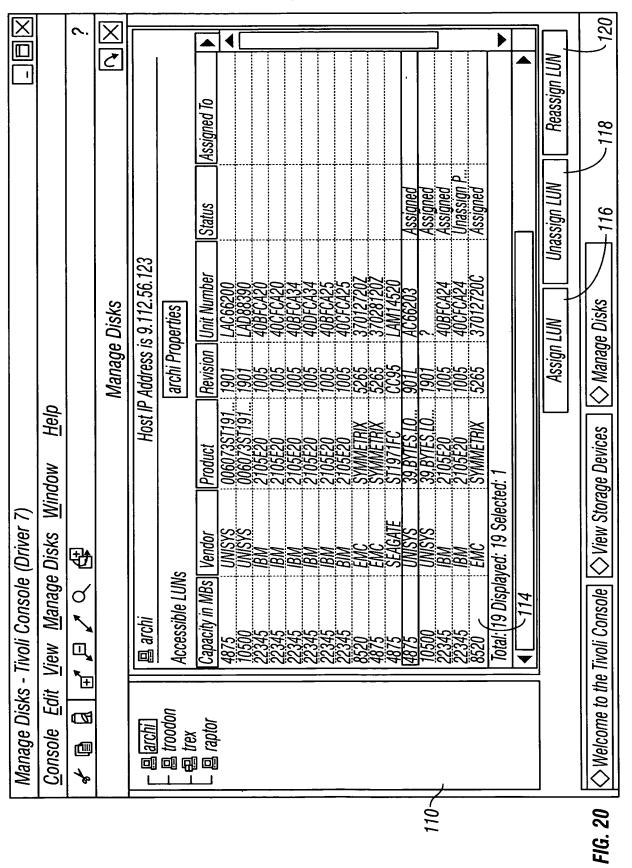


FIG. 19



								26/46 원	
\boxtimes		?	\boxtimes				⊿ [
			~		:	Logical Url		LU group 1	
						Assigned To Other	<no pte="" td="" ="" <=""><td></td><td></td></no>		
			INS	112.56.123	ies		<no titler=""></no>	Assigned Pending Assigned Assigned Assigned Assigned Assigned Assigned Assigned Assigned Assign LUN	
			Manage LUNs	Host IP Address is 9.112.56.123	Host Properties		<no titler=""></no>	400 FC A 24 408 FC A 24 408 FC A 20 408 FC A 20 408 FC A 34 408 FC A 34 408 FC A 34 408 FC A 34 408 FC A 25 370127202	
	d _l ə <u>H</u>			Host IP		Revision	<nu style="background-color: blue;">V</nu>		
r 7)	Disks Window					Product .	<ne style="background-color: blue;">CIO Iffer></ne>	BM 2105£20 BM 2105£20	
le (Driver 7)		?			Ws	\sqsubseteq	<n0 titler=""></n0>		
Tivoli Consol	<u>V</u> iew <u>M</u> anage	0 / d .		archi 🖺	Accessible LUNs	Capacity in MBs	2000	22.345 10.500 22.345 8.520 22.345 22.345 22.345 22.345 8.520	◇ Manage LUNs
Manage Disks - Tivoli Console	Console Edit View		1	□ archi	— 圖 troodon	- 🖺 raptor	— № меда		♦ Welcome

FIG. 21

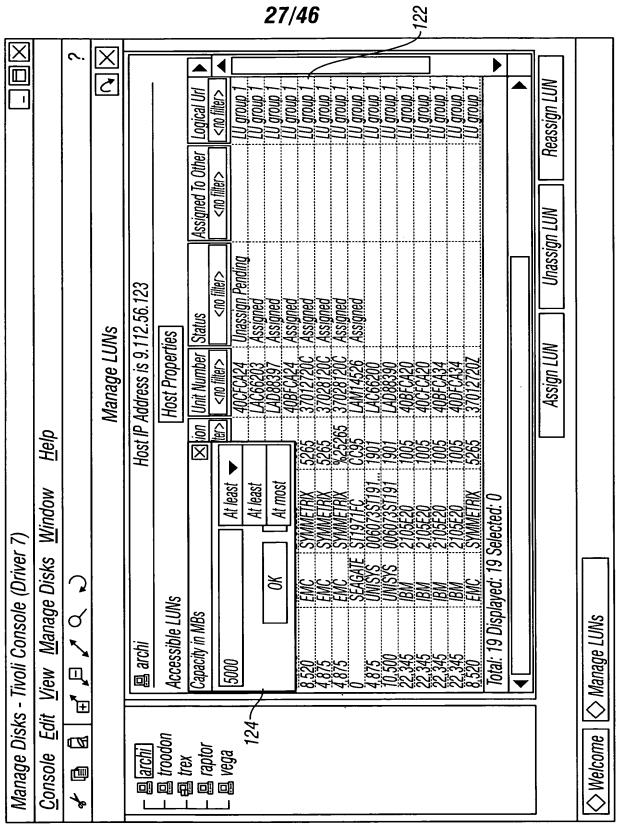


FIG. 22

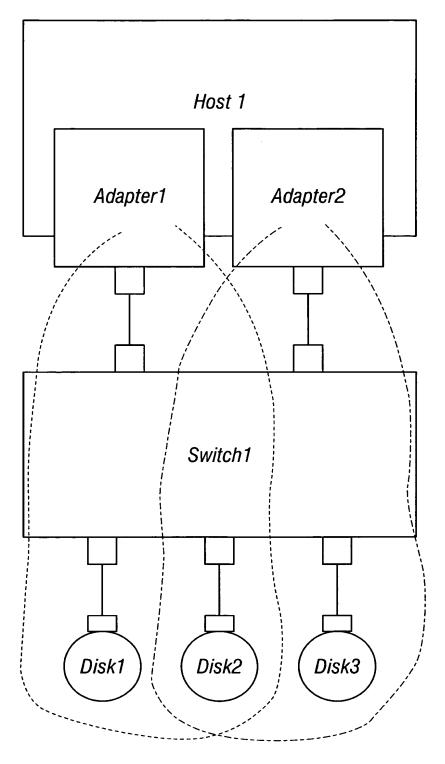
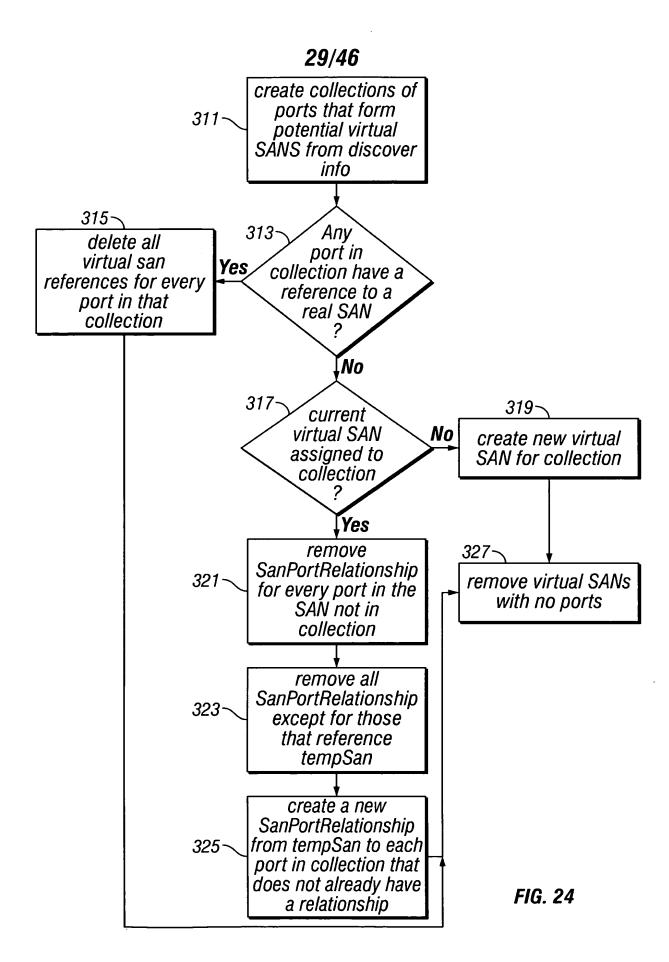


FIG. 23





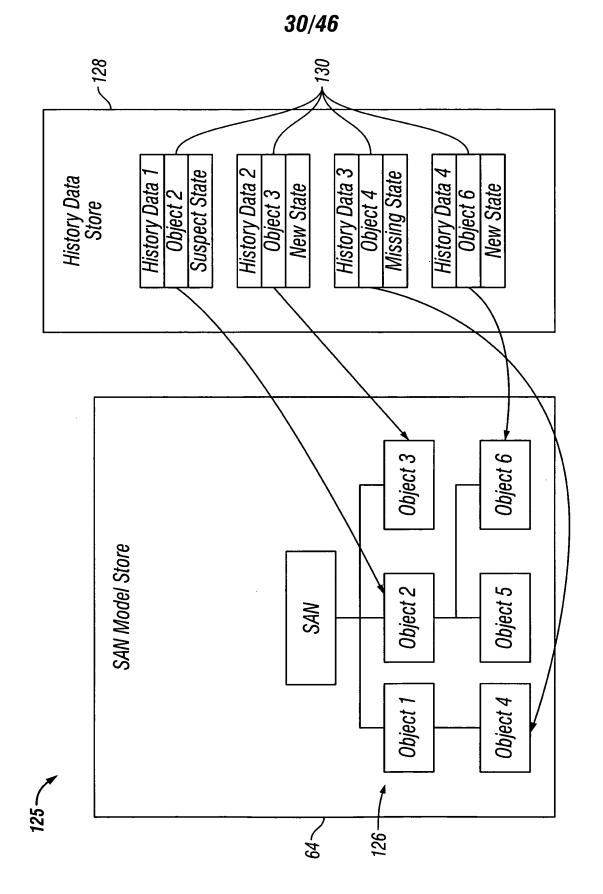


FIG. 25

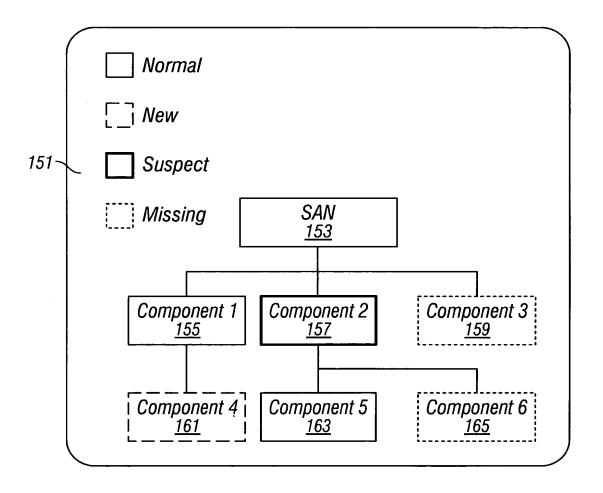


FIG. 26

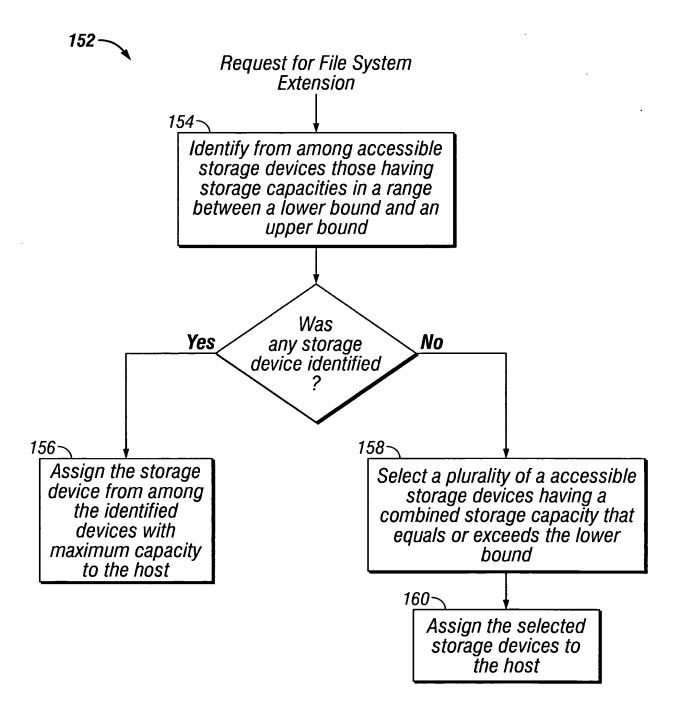
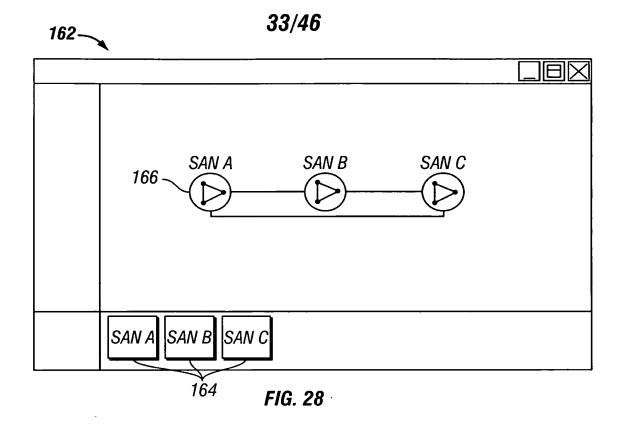


FIG. 27



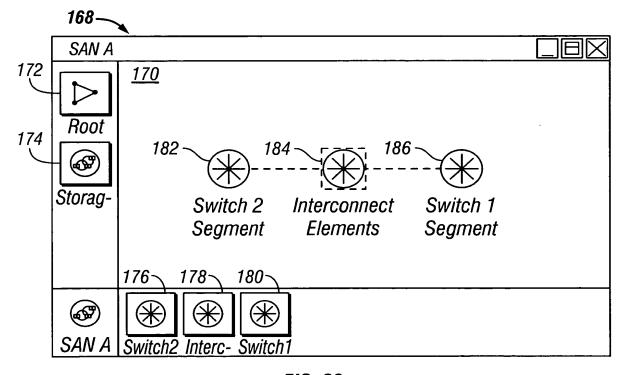


FIG. 29

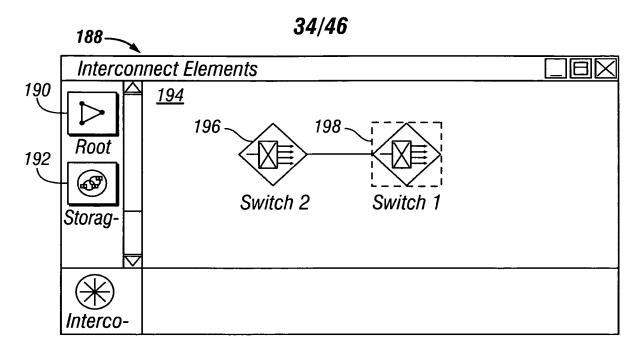


FIG. 30

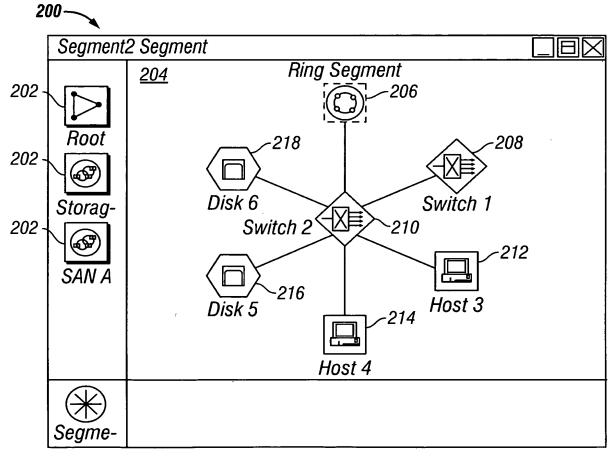


FIG. 31

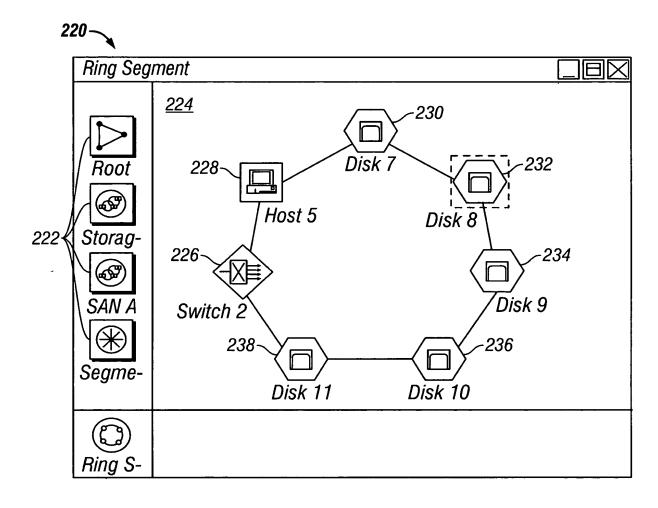
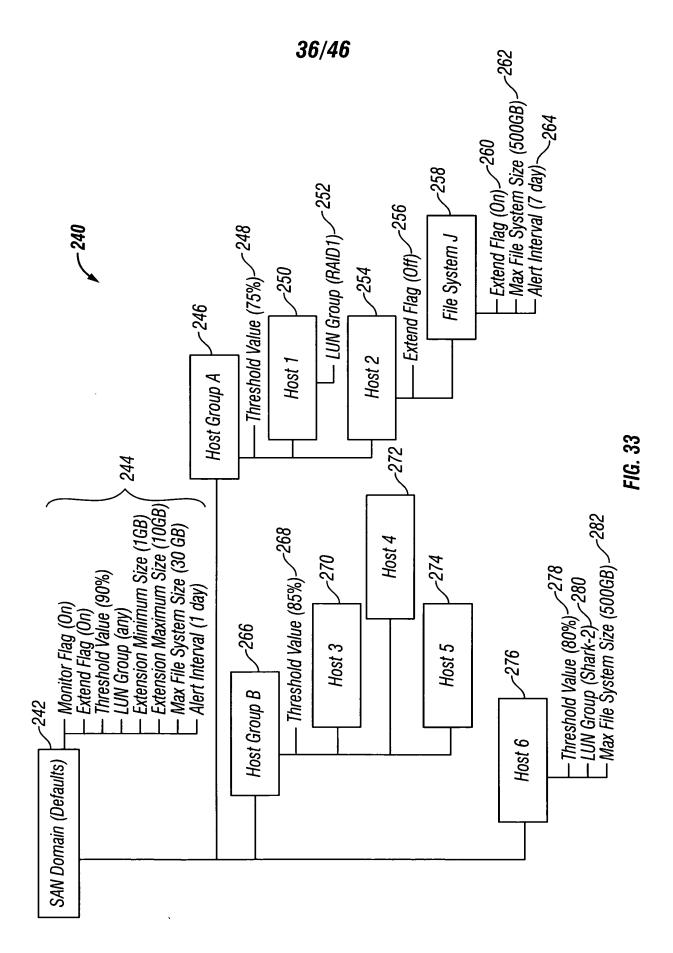


FIG. 32



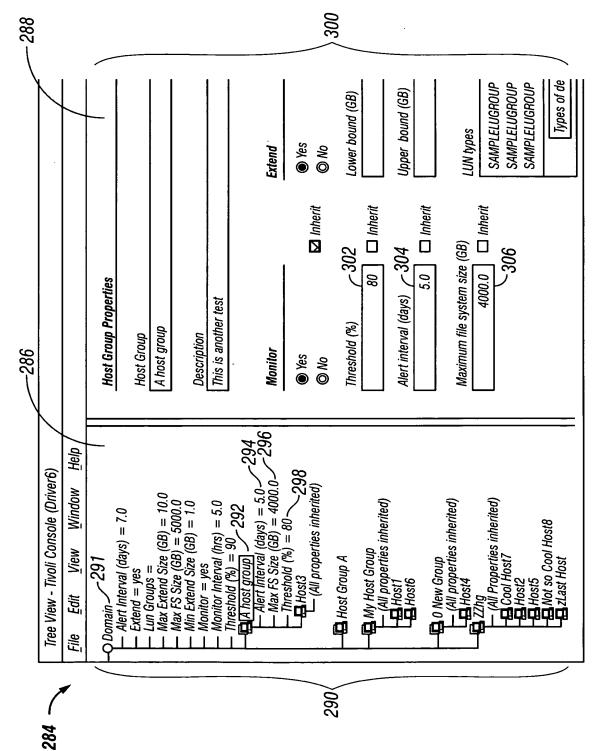


FIG. 34

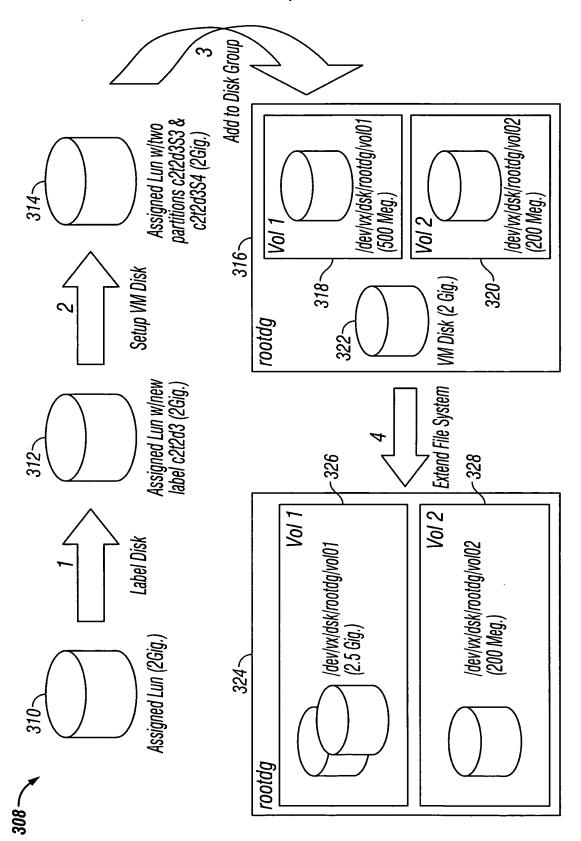


FIG. 35

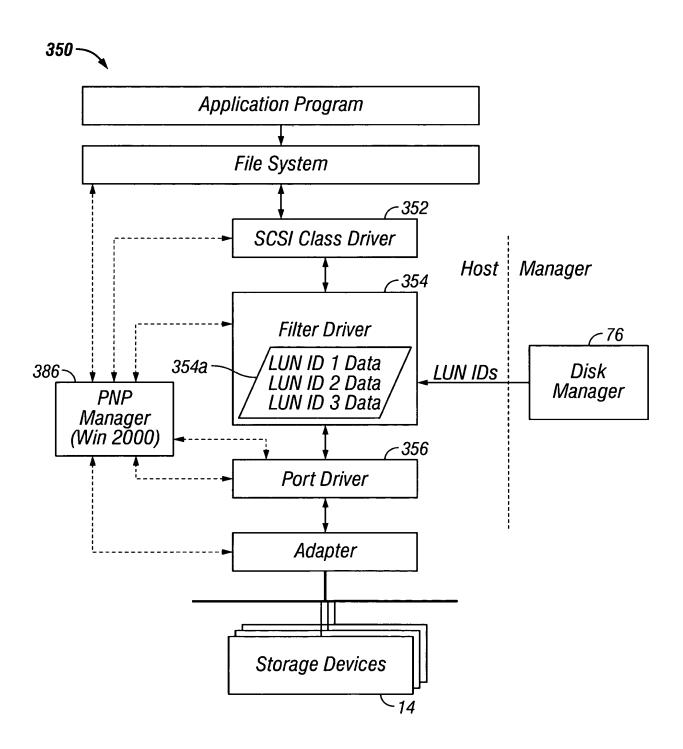
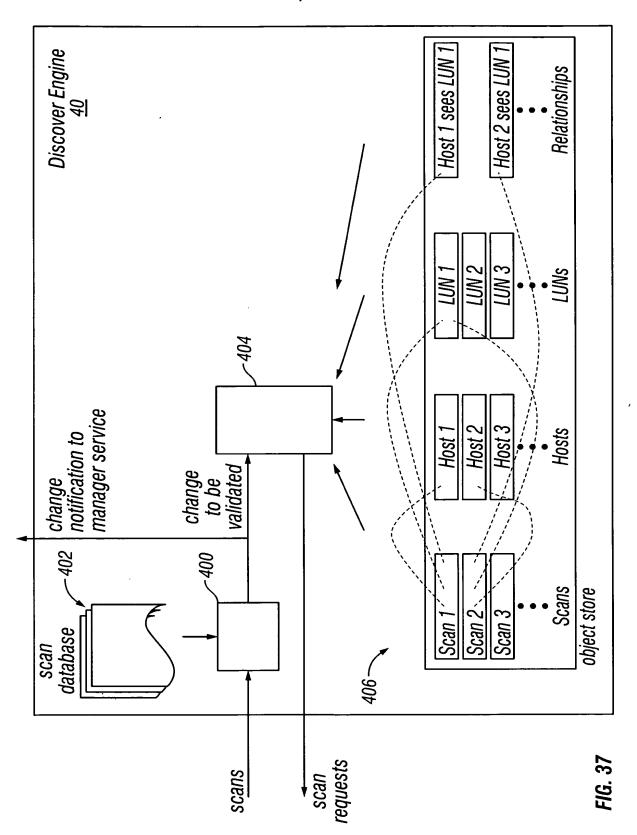
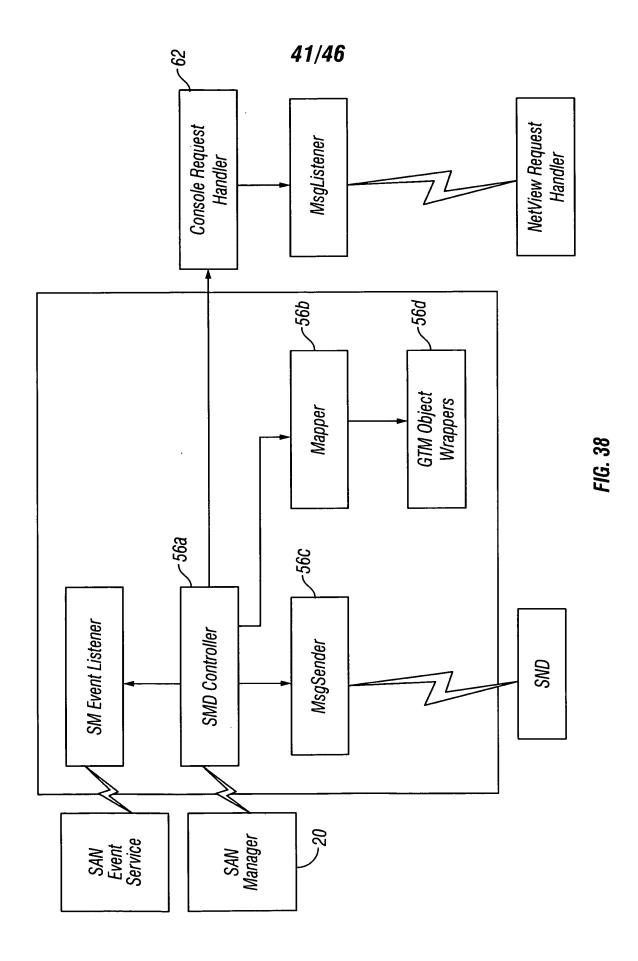


FIG. 36





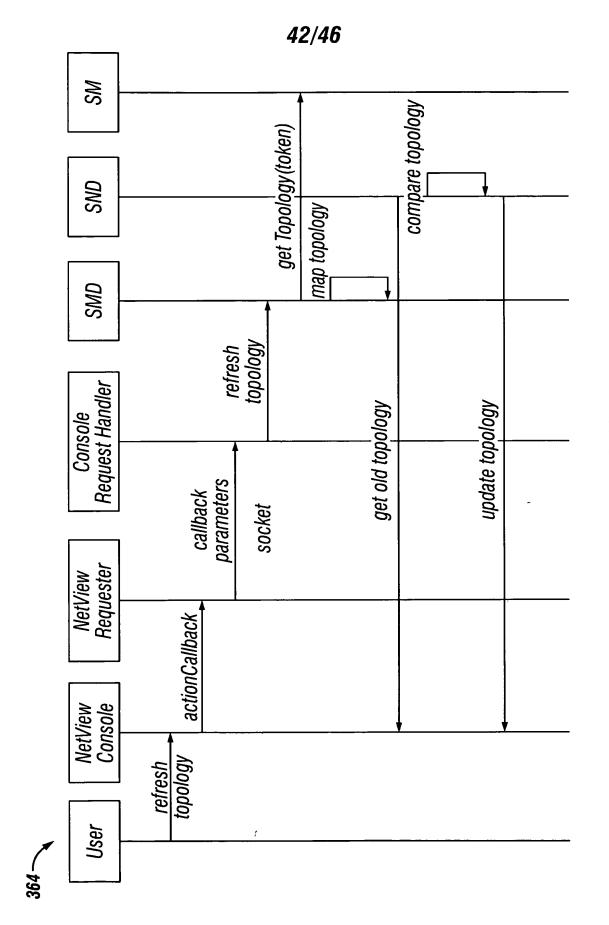


FIG. 39

